Claim Status

1. (Cancelled) without prejudice or disclaimer.
2. (Cancelled) without prejudice or disclaimer.
3. (Cancelled) without prejudice or disclaimer.
4. (Cancelled) without prejudice or disclaimer.
5. (Cancelled) without prejudice or disclaimer.
6. (Cancelled) without prejudice or disclaimer.
7. (Cancelled) without prejudice or disclaimer.
8. (Cancelled) without prejudice or disclaimer.
9. (Cancelled) without prejudice or disclaimer.
10. (Cancelled) without prejudice or disclaimer.
11. (Cancelled) without prejudice or disclaimer.
12. (Cancelled) without prejudice or disclaimer.
13. (Cancelled) without prejudice or disclaimer.
14. (Cancelled) without prejudice or disclaimer.
15. (Cancelled) without prejudice or disclaimer.
16. (Cancelled) without prejudice or disclaimer.
17. (Cancelled) without prejudice or disclaimer.
18. (Cancelled) without prejudice or disclaimer.

19. (Currently Amended) A method for storing items in a storage facility, wherein the storage facility is a warehouse or other facility in which the items are stored in defined storage locations such as shelves or bins, the method comprising:

receiving and recording a GPS signal through a transceiver coupled to an indicia scanner at first location;

determining [[the]] an approximate coordinate position of the first location based on ~~at which an item is to be stored by recording a~~ the GPS signal received by [[a]] the transceiver coupled to an indicia scanner ~~positioned at the location~~;

processing the GPS signal to determine the ~~storage~~ approximate coordinate position of the first location;

determining the identity of [[the]] an item [[from]] by scanning a symbol associated with the item with said indicia scanner; [[and]]

reading a broadcast error compensation signal transmitted directly from a base station having a fixed location;

comparing the approximate coordinate position of the first location from the GPS signal to the broadcast error compensation signal from the base station;

determining a second location based on said comparing, the second location being a storage location at which an item is to be stored; and

associating the storage location and identity in a database.

20. (Cancelled) without prejudice or disclaimer.

21. (Cancelled) without prejudice or disclaimer.

22. (Previously Presented) The method of claim 19 wherein the storage facility is a retail store in which the items are stored on display racks or shelves.

23. (Cancelled) without prejudice or disclaimer.

24. (Cancelled) without prejudice or disclaimer.

25. (Currently Amended) The method of claim 19 wherein the symbol associated with the item is a bar code symbol and said indicia scanner is a bar code scanner.

26. (Cancelled) without prejudice or disclaimer.

27. (Currently Amended) The method of claim [[26]]25 wherein the bar code symbol is scanned using ~~a hand held~~ the bar code scanner when the item is removed from storage.

28. (Currently Amended) The method of claim 19 further comprising providing location error information in the broadcast error compensation signal transmitted from the base station, ~~wherein the GPS signal received by the transceiver is corrected to remove errors by comparing the GPS signal to GPS signal received at a base station at a known location~~ the location error information produced as a result of a GPS signal received by the base station providing a calculated location of the base station different than the base station's fixed location; and

receiving the location error information in the broadcast error compensation signal for removing location error data in the indicia scanner provided by the GPS signal to the transceiver.

29. (Currently Amended) The method of claim 28 wherein location error data is removed in real time by establishing communication between the transceiver and the base station.

30. (Currently Amended) The method of claim 28 wherein the location error data is removed at a later time by recording the time at which the transceiver recorded the GPS signal; simultaneously recording another GPS signal at [[a]] the base station of a known location; and using correction factors derived from the GPS signal recorded at the base station to remove the location error data for the transceiver at corresponding times.

31. (Previously Presented) The method of claim 19 wherein the recording of the GPS signal by the transceiver and the scanning of the symbol are performed by the same indicia scanner ~~portable device~~.

32. (Currently Amended) The method of claim 19 wherein

the symbol associated with the item is a bar code symbol; and

said indicia scanner is a portable bar code scanner.

~~the scanning at the time that item is stored and at the time that it is retrieved is performed using a bar code scanner contained in a portable device;~~

~~the GPS signal received by the transceiver is corrected to remove errors by comparing the GPS signal to a GPS signal received at a base station at a known location; and~~

~~the recording of the GPS signal by the transceiver and the scanning of the symbol are performed by the portable device~~.

33. (Currently Amended) A portable device for recording the identity and location of items stored in a storage facility, wherein the storage facility is a warehouse or other facility in which the items are stored in defined storage locations such as shelves or bins, the device comprising:

a GPS ~~transceiver~~ receiver coupled to a bar code scanner for receiving a signal at a storage location in which an item is scanned, the GPS signal providing a first positional fix of said stored location; ~~capable of determining the location at which the item is to be stored by recording a GPS signal received at the location; and~~

a recorder located in said bar code scanner capable of recording the details of the item scanned by scanning a symbol associated with the item and simultaneously recording the first positional fix of said stored location;

the GPS receiver further capable of receiving a broadcast error correction signal transmitted from a base station for adjusting said first positional fix to form a second positional fix relatively closer to said stored location than said first positional fix; and

a transmitter coupled to said bar code scanner capable of transmitting said second positional fix of said stored location and recorded details of the item to a remotely located database.

~~a bar code scanner for determining the identity of the item by scanning a symbol associated with the item.~~

34. (Currently Amended) The portable device of claim 33 wherein the GPS receiver ~~transceiver~~ and bar code scanner are integral parts of the device.

35. (Currently Amended) The portable device of claim 33 further comprising a wireless communication transceiver for handling data communication between the portable device and [[a]] the base station.

36. (Cancelled) without prejudice or disclaimer.

37. (Cancelled) without prejudice or disclaimer.

38. (Cancelled) without prejudice or disclaimer.

39. (New) The method of claim 19 further comprising reading a GPS signal at said base station and broadcasting simultaneously said error compensation signal as a result of the GPS signal to the base station to remove location error data in at least one indicia scanner.

40. (New) The method of claim 39, wherein location error data is removed in real time by establishing communication between the transceiver and the base station.

41. (New) The method of claim 39 wherein the location error data is removed at a later time by recording the time at which the transceiver recorded the GPS signal, simultaneously recording another GPS signal at the base station of a known location and using correction factors derived from the GPS signal recorded at the base station to remove the location error data for the transceiver at corresponding times.

42. (New) A method of storing items in a storage facility comprising:

scanning an indicium associated with an item to be stored within the storage facility at a storage location with an indicia scanner, the indicia scanner being coupled to a transceiver;

recording details of the identity of the item scanned by the indicia scanner while scanning said indicium associated with said item;

receiving through the transceiver concurrently during said recording a GPS signal providing a first positional fix of said storage location;

determining the identity of the item as a result of the indicium being scanned by the indicia scanner;

receiving a broadcast error correction signal being transmitted directly from a base station having a fixed location through the transceiver of said indicia scanner;

comparing the broadcast error correction signal to the GPS signal to form a second positional fix of said storage location, the second positional fix being relatively closer to the storage location than said first positional fix; and

transmitting said second positional fix information and identity of the item to a database.

43. (New) The method of claim 42 wherein said indicium is a bar code and said indicia scanner is a bar code scanner.